



# 13

Patent No. G0518

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re patent application of

Applicant: Joong Jeon  
Serial No.: 10/034,163  
Filed: December 27, 2001  
For: PREPARATION OF STACK HIGH-K GATE  
DIELECTRICS WITH NITRIDED LAYERS  
Art Unit: 2823  
Examiner: Suk San Foong

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

1. Pursuant to 37 C.F.R. 1.97 and 1.98, and in compliance with 37 C.F.R. 1.56, the Office's attention is directed to the patents, pending applications, publications and other information listed on the attached PTO-1449. A copy of each listed document is enclosed except for: (a) pending applications or (b) those previously cited or submitted to the Office in the following application(s) upon which this application relies for an earlier filing date under 35 U.S.C. 120:

Serial No.: \_\_\_\_\_  
Filing Date: \_\_\_\_\_

Regarding any document, publication or other information for which a date is not given on the attached PTO-1449, Applicant(s) believe(s) the same may qualify as "prior" art to this application and should be treated accordingly, although Applicant(s) reserve(s) the right to contest the prior art status of any document, publication or information, should issue arise.

2. Regarding each listed document that is not in the English language, an English-language translation accompanies this Statement as indicated on the attached PTO-1449 or a concise explanation of the relevance of the document is set forth in the following document(s):

- (a) \_\_\_ Copy of each English language version of a search report indicating the degree of relevance found by the foreign office of each document being submitted from the search report.
- (b) \_\_\_ Attachment entitled "Concise Explanation of Relevance of Non-English Language Documents".

3. Pursuant to 37 C.F.R. 1.97(b) this Statement is being filed (one must be checked):

- (a) \_\_\_ Within 3 months of the filing date or date of entry into the National Stage.
- (b) \_\_\_ Before the mailing date of a first Office Action on the merits. If this Statement is not filed before the mailing date of a first Office Action on the merits, the required certification is given below or, in the absence thereof, the Office is authorized to charge the required fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 18-0988 for consideration of this Statement.

- (c) ☐ Before the mailing date of a first Office Action on the merits after a first or second submission under 37 C.F.R. 1.129(a).
- (d) ☐ After the period set forth in 37 C.F.R. 1.97(b) but before the mailing date of either a final action or a notice of allowance.
- (1) ☐ The required certification is given below, or
- (2) ☐ Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(p) for consideration of this Statement, or
- (3) ☐ Charge the fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 18-0988
- (e) ☒ After the mailing date of either a final action or a notice of allowance, but before payment of the issue fee. Petition hereby is made for consideration of this Statement and the required certification is indicated below.
- (1) ☐ Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(i)(1), or
- (2) ☒ Charge the fee set forth in 37 C.F.R. 1.17(i)(1) to Deposit Account No. 18-0988.

4. Certification (if applicable)

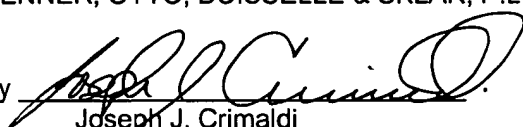
- (a) ☒ The undersigned hereby certifies that each item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than 3 months prior to the filing of this Statement.
- (b) ☐ The undersigned hereby certifies that no item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the undersigned's knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. 1.56(c) more than 3 months prior to the filing of this Statement.

5. The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 18-0988.

Respectfully Submitted,

RENNER, OTTO, BOISSELLE & SKLAR, P.L.L.

By

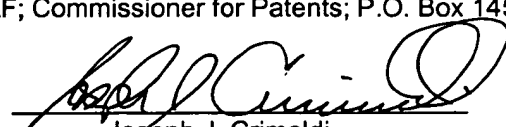
  
Joseph J. Crimaldi  
Reg. No. 41,690

1621 Euclid Avenue, 19th Floor  
Cleveland, Ohio 44115  
(216) 621-1113

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

I hereby certify that this correspondence (along with any paper referenced as being attached or enclosed) is being deposited on the below date with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Mail Stop AF; Commissioner for Patents; P.O. Box 1450; Alexandria, VA 22313-1450.

Date: 06/19/03

  
Joseph J. Crimaldi

Form PTO-1449 (Modified)

Atty Docket No.:  
G0518

Serial No.: 10/034,163

JUN 24 2003

OFFICE OF PATENTS AND PUBLICATIONS  
FOR APPLICANT  
INFORMATION DISCLOSURE STATEMENT  
(Use several sheets if necessary)

Applicant: Joong Jeon

Filing Date: 12/27/01

Group: 2823

## REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner's Initials		Document Number							Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	5	6	8	8	7	2	4	11/18/97	Yoon et al.	437	235	
	AB	6	2	5	1	7	6	1	06/26/01	Rodder et al.	438	591	
	AC												
	AD												
	AE												
	AF												
	AG												
	AH												
	AI												
	AJ												

## FOREIGN PATENT DOCUMENTS

Examiner's Initials		Document Number							Date	Country	Class	Subclass	Translation	
													Yes	No
	AK	1	1	2	4	2	6	2	08/16/01	EPO				
	AL													
	AM													
	AN													
	AO													
	AP													

## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

	AQ	International Search Report dated May 22, 2003 for International Application No. PCT/US02/41474											
	AR												
	AS												

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

## Information Disclosure Statement PTO-1449 (Modified)

The identification of any reference is not intended to be, and should not be understood as being, an admission that such publication, in fact, constitutes "prior art" within the meaning of applicable law since, for example, a given reference may have a later effective date than first seems apparent or the reference may have an effective date which can be antedated. The "prior art" status of any reference is a matter to be resolved during prosecution